Title (en)

X-ray monochromator and x-ray analysis apparatus

Title (de)

Röntgenmonochromator und Röntgenanalysator

Title (fr)

Monochromateur et analyseur à rayons X

Publication

EP 1739687 A3 20090819 (EN)

Application

EP 06253351 A 20060627

Priority

JP 2005191611 A 20050630

Abstract (en)

[origin: EP1739687A2] An X-ray beam conditioning device that has a crystal holder and a motor. The crystal holder supports a first crystal block and a second crystal block, each of which diffracts X-ray by a specific diffraction angle. The motor can rotate the crystal holder around an axis extending at right angles to a plane including an optical axis of X-ray and can support the crystal holder and fixedly supporting the crystal holder at thus rotated position. The crystal holder holds the first and second crystal blocks at such angles to each other that both crystal blocks diffract X-ray. The optical axes of the two crystal blocks can be adjusted, merely by rotating the crystal holder about said axis, namely only one axis.

IPC 8 full level

G21K 1/06 (2006.01)

CPC (source: EP US)

G01N 23/00 (2013.01 - EP US); **G21K 1/06** (2013.01 - EP US); G21K 2201/062 (2013.01 - EP US)

Citation (search report)

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CN103940837A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1739687 A2 20070103; **EP 1739687 A3 20090819**; JP 2007010483 A 20070118; US 2007003013 A1 20070104; US 7684543 B2 20100323

DOCDB simple family (application)

EP 06253351 A 20060627; JP 2005191611 A 20050630; US 47688806 A 20060629